

App. Serial No. 10/534,480
Docket No.: DE020261US

In the Claims:

Please amend claims 1, 5-8 and 10 as indicated below. This listing of claims replaces all prior versions.

1. (Currently Amended) Power converter comprising:

a current path that includes an inductor for receiving energy from a power supply, and ~~connected to said inductor~~ an output capacitor for providing an output voltage;[[.]]

characterized by an additional current path ~~that arranged in parallel to one of said inductor and said capacitor, which additional current path~~ can be opened and closed, wherein said additional current path is formed such that a current flowing through said additional current path reaches basically immediately a desired value, when said additional current path is opened; and

a feedback means ~~for opening circuit that opens~~ said additional current path, when said output voltage across said output capacitor reaches a predetermined maximum value,

wherein the inductor provides the energy from the power supply to a parallel arrangement of the output capacitor and the additional current path.

2. (Original) Power converter according to claim 1, wherein said additional current path comprises a controllable current source.

3. (Original) Power converter according to claim 1, wherein said additional current path is a low impedance path.

4. (Original) Power converter according to claim 3, wherein said low impedance path comprises a resistor.

5. (Currently Amended) Power converter according to claim 1, wherein said feedback ~~means circuit~~ opens said additional current path for a predetermined time.

6. (Currently Amended) Power converter according to claim 1, wherein said feedback ~~means circuit~~ closes ~~an opened~~ the additional current path when a second predetermined

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output voltage is reached.

7. (Currently Amended) Power converter according to claim 1, wherein said feedback ~~means circuit~~ controls ~~an opened~~ the additional current path based on said output voltage.

8. (Currently Amended) Power converter according to claim 1, wherein said feedback ~~means circuit~~ controls ~~an opened~~ the additional current path based on a current through said inductor.

9. (Original) Power converter according to claim 1, wherein said power converter is one out of a group of a buck converter, a boost converter and a buck/boost converter.

10. (Currently Amended) Method for controlling a power converter, ~~which the~~ power converter including ~~[[es]]~~ a current path having an inductor for receiving energy from a power supply ~~[[,]]~~ and ~~connected to said inductor~~ an output capacitor for providing an output voltage, said method comprising:

opening a controllable additional current path arranged in parallel to ~~one of said inductor and~~ said output capacitor, when said output voltage across said output capacitor reaches a predetermined maximum value, such that a respective desired current flows basically immediately through said additional current path;

wherein the inductor provides the energy from the power supply to the parallel arrangement of the output capacitor and the additional current path.